BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:Modified Estimate for Fencing to BBMP Properties (other than Gardens Parks) ward no.08

Sl No	Description of work	No	Length m	Breadth m	Depth m	Quantity	Unit	Rate in Rs	Amount in Rs
1	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.								
	For Fencing								
	Near BBMP Ward Office-08	1	95.20	0.80	0.40	30.46			
	Sahakar Nagara								
	4th Main Rd 23rd Cross Rd(Railway Parallel Rd)	1	82.00	0.80	0.80	52.48			
	4th Main Rd 23rd Cross Rd OppositePark(Railway Parallel Rd)	1	97.50	0.80	0.80	62.40			
	Sahaja Pride Apparment Opp RO Plant Surrounding	1	108.50	0.80	0.80	69.44			
	Vivekanada Play Ground	1	147.65	1.00	1.00	158.65			
	Gundanjaneya Temple Back Side Park	1	88.10	1.00	1.00	88.10			
	For Compound Wall								
	Government School	1	79.50	0.80	0.80	50.88			
						512.42	**Cum**	**414.10**	**212191.22**
	Approved Amount	**414.10**							
2	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301								
	For Debris								
	Near BBMP Ward Office-08	1	22.50	24.00	0.40	216.00			
	Sahakar Nagara								
	4th Main Rd 23rd Cross Rd(Railway Parallel Rd)	1	13.50	18.50	1.00	249.75			
		1	11.00	14.00	1.30	200.20			
		1	9.50	8.80	1.20	100.32			
	4th Main Rd 23rd Cross Rd Opposite Park(Railway Parallel Rd)	1	11.00	10.50	1.00	115.50			
		1	19.50	13.50	0.95	250.09			
		1	11.00	11.50	1.10	139.15			
	Sahaja Pride Apparment Opp RO Plant Surrounding	1	441.75		1.20	530.10			
	Outside	1	120.00	4.00	1.50	731.42			

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	Near Government School	1	153.10	1.80	0.50	137.79			
						2670.32	**Cum**	**67.13**	**179258.36**
	Approved Amount	**67.13**							
3	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.								
	For Fencing								
	Near BBMP Ward Office-08	1	95.20	0.70	0.15	10.00			
	Sahakar Nagara								
	4th Main Rd 23rd Cross Rd(Railway Parallel Rd)	1	82.00	0.70	0.15	8.61			
	4th Main Rd 23rd Cross Rd OppositePark(Railway Parallel Rd)	1	97.50	0.70	0.15	10.24			
	Sahaja Pride Apparment Opp RO Plant Surrounding	1	108.50	0.70	0.15	11.39			
	Vivekanada Play Ground	1	147.65	1.00	0.20	31.73			
	Gundanjaneya Temple Back Side Park	1	88.10	1.00	0.20	17.62			
	For Compound Wall								
	Government School	1	79.50	0.70	0.15	8.35			
		1	26.30	0.20	0.15	0.79			
						98.72	**Cum**	**5692.45**	**561973.65**
	Approved Amount	**5692.45**							
4	KSRB 5.2 : Providing and constructing granite / trap / basalt sizestone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications.KSRB 5.2-3 : - do - cement mortar 1:6 KBS 5.1.13								
	1st Step								
	For Fencing								
	Near BBMP Ward Office-08	1	95.20	0.60	0.20	11.42			
	Sahakar Nagara								
	4th Main Rd 23rd Cross Rd(Railway Parallel Rd)	1	82.00	0.60	0.60	29.52			
	4th Main Rd 23rd Cross Rd OppositePark(Railway Parallel Rd)	1	97.50	0.60	0.60	35.10			
	Sahaja Pride Apparment Opp RO Plant Surrounding	1	108.50	0.60	0.60	39.06			
	Vivekanada Play Ground	1	147.65	0.80	0.80	94.50			
	Gundanjaneya Temple Back Side Park	1	88.10	0.80	0.45	31.72			
	For Compound Wall								
	Government School	1	75.00	0.60	0.60	27.00			

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	1st Step For Fencing								
	Near BBMP Ward Office-08	1	95.20	0.50	0.40	19.04			
	Sahakar Nagara								
	4th Main Rd 23rd Cross Rd(Railway Parallel Rd)	1	82.00	0.50	0.60	24.60			
	4th Main Rd 23rd Cross Rd OppositePark(Railway Parallel Rd)	1	97.50	0.50	0.40	19.50			
	Sahaja Pride Apparment Opp RO Plant Surrounding	1	108.50	0.50	0.40	21.70			
	Vivekanada Play Ground	1	142.65	0.60	0.60	64.11			
	Gundanjaneya Temple Back Side Park	1	88.10	0.55	0.60	29.07			
	For Compound Wall								
	Government School	1	75.00	0.50	0.40	15.00			
						461.34	Cum	5114.86	2359694.98
	Approved Amount	**5114.86**							
8	KSBB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2								
	For Fencing								
	Near BBMP Ward Office-08	1	95.20	0.50	0.10	4.76			
	Sahakar Nagara								
	4th Main Rd 23rd Cross Rd(Railway Parallel Rd)	1	82.00	0.50	0.10	4.10			
	4th Main Rd 23rd Cross Rd OppositePark(Railway Parallel Rd)	1	97.50	0.50	0.10	4.88			
	Sahaja Pride Apparment Opp RO Plant Surrounding	1	108.50	0.50	0.10	5.43			
	Vivekanada Play Ground	1	219.50	0.60	0.10	13.17			
	Gundanjaneya Temple Back Side Park	1	126.60	0.65	0.10	8.23			
	For Compound Wall								
	Government School	1	79.50	0.50	0.10	4.15			
	For Compound Wall Coping								
	Government School	1	143.35	0.15	0.10	2.15			
						46.86	Cum	6034.11	282766.63
	Approved Amount	**6034.11**							

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6	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design Mix M20 with 0°C @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6								
	For Compound Wall								
	Governmet School								
	For Plinth	1	79.50	0.50	0.10	3.98			
	For Column	50	0.30	0.15	1.80	4.05			
						8.03	**Cum**	**6297.87**	**50540.41**
	Approved Amount	**6297.87**							
7	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3- do - TMT bars Fe 500								
	For Compound Wall								
	For Column								
	Main Bar	50	6.00	1.90	0.61	347.70			
	Stirrups	50	6.00	1.00	0.39	117.00			
	For Plinth								
	Main Bar	1	4.00	79.50	0.61	193.98			
	Stirrups	1	369.00	1.00	0.39	143.91			
						802.59	**Kg**		
						0.80	**Tn**	**78977.64**	**63386.66**
	Approved Amount	**78977.64**							
8	KSRB 5-14: Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4- do - with solid concrete blocks of size 400x150x200mm								
	For Compound Wall								
	Governmet School	1	143.55	1.80		254.73			
	Near School Steps	1	26.30	0.20		5.26			
						259.99	**Sqm**		
					Upto 125%	**210.00**	**Sqm**	**1028.31**	**215945.10**
					Above 125%	**49.99**	**Sqm**	**1028.31**	**51401.13**
	Approved Amount	**1028.31**							
9	KSRB15-3 : Providing 15mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.KSRB15-3.5 : – do – cement mortar 1:4								
	For Compound Wall								
	Governmet School	2	143.55	1.80		516.78			
	Near School Steps	1	26.30	0.20		5.26			
	Deduction of Plastering	-1	40.70	1.80		-78.06			

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						443.98	Sqm	245.95	109195.80
	Approved Amount	**245.95**							
10	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. -do- with primer								
	For Compound Wall								
	Governmet School	2	143.55	1.80		533.86			
	Deduction of Plastering	-1	40.70	1.80		-73.26			
						460.60	**Sqm**	**100.16**	**46133.65**
	Approved Amount	**100.16**							
11	KSRSB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305								
	For Levelling								
	Near BBMP Ward Office-08	1	22.50	24.00	0.25	135.00			
	Sahakar Nagara								
	4th Main Rd 23rd Cross Rd Opposite Park(Railway Parallel Rd)	1	11.00	10.50	0.30	34.65			
		1	19.50	13.50	0.30	78.98			
		1	11.00	11.50	0.30	37.95			
	Vivekanada Play Ground	1	30.00	20.00	0.40	240.00			
		1	25.00	15.00	0.40	150.00			
	Gundanjaneya Temple Back Side Park								
		1	27.30	19.60	0.40	214.03			
		1	30.00	30.00	0.40	360.00			
						1250.61	**Cum**	**361.69**	**452332.05**
	Approved Amount	**361.69**							
12	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) including cost of materials, labour, HOM complete as per specifications.								
	For Fencing								
	Near BBMP Ward Office-08	43	2.50			107.50			
	Sahakar Nagara								
	4th Main Rd 23rd Cross Rd(Railway Parallel Rd)	41	2.50			102.50			
	4th Main Rd 23rd Cross Rd Opposite Park(Railway Parallel Rd)	41	2.50			102.50			

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	Sahaja Pride Apparment Opp RO Plant Surrounding	53	2.50			132.50			
	Missing Poles	7	2.50			17.50			
	Vivekanada Play Ground	110	2.50			275.00			
	Sahakar Nagara Park	210	1.20			252.00			
	Gundanjaneya Temple Back Side Park	48	2.50			120.00			
						1109.50	**m**	**955.98**	**1060659.81**
	Approved Amount	**955.98**							
13	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint, including cost of materials, labour, HOM complete as per specifications.								
	For Fencing								
	Near BBMP Ward Office-08	1	95.20		1.80	171.36			
	Sahakar Nagara								
	4th Main Rd 23rd Cross Rd(Railway Parallel Rd)	1	100.80		2.00	201.60			
	4th Main Rd 23rd Cross Rd Opposite Park(Railway Parallel Rd)	1	101.20		1.80	182.16			
	Sahaja Pride Apparment Opp RO Plant Surrounding	1	112.50		1.80	202.50			
	Vivekanada Play Ground	1	219.50		2.20	463.64			
	Sahakar Nagara Park	1	400.60		1.60	640.96			
	Gundanjaneya Temple Back Side Park	1	126.60		1.80	227.88			
						2090.10	**Sqm**	**795.72**	**1663134.77**
	Approved Amount	**795.72**							
14	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint, including cost of materials, labour, HOM complete as per specifications.								
	For Fencing								
	Near BBMP Ward Office-08	3	95.20			285.60			
	Sahakar Nagara								
	4th Main Rd 23rd Cross Rd(Railway Parallel Rd)	3	100.80			302.40			
	4th Main Rd 23rd Cross Rd Opposite Park(Railway Parallel Rd)	3	101.20			303.60			
	Sahaja Pride Apparment Opp RO Plant Surrounding	3	112.50			337.50			
	Vivekanada Play Ground	4	219.50			903.33			

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	Kakolu Nagara Park	3	450.00			1111.40			
	Ankanyanaya Temple Back Side Park	3	136.00			379.80			
	Vertical Pipe	3	3.00			10.04			
	Missing Horizontal Pipes	30	1.90			57.04			
						3690.03	m	454.06	1675787.87
					Upto 125%	3375.00	m	454.06	1532452.50
					Above 125%	315.03	m	454.06	143315.37
	Approved Amount	454.06							
15	Providing and fixing M.S. Block pipe of 38mm dia, of heavy gruge of 14 inchiding removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe inchiding cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer in charge of work etc., complete inchiding two coats of approved quality paint over one coat of shop paint, including cost of materials, labour, HSM complete as per specifications.								
						0.00	Sqm	3352.04	0.00
	Approved Amount	3352.04							
	EIRL								
E1	Fabricating, providing and erecting in position Hot dip galvanised Gate, Using 72 X 72 X 4.8mm Sq. GI Pipe Frame with Top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 75X12 mm and 50X6 mm arch bend to hot dip galvanised flats. The work is inclusive of throughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop. Heavy Duty Locking arrangements at tow places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportanet, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in-charge of the work. (Data Rate)								
	Date Rate	12475.00							
	Tender Permium	622.50							
	Total Rate	13097.50							
		2	4.30		2.60	22.36			
						22.36	Sqm	13097.50	292860.16
								Total Construction Cost	10953010.12

Assistant Engineer
Ward No-08
BBMP

Assistant Executive Engineer
Yelahanka Sub Division
BBMP

Executive Engineer
Yelahanka Project Division
BBMP

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